

HARVARD UNIVERSITY  
THE BIOLOGICAL LABORATORIES  
16 DIVINITY AVENUE  
CAMBRIDGE 38, MASSACHUSETTS

April 12, 1958

Dear Francis

I enclose the Poly A letters. Alex comes up here next week - then we shall talk over the situation - I am against sending a note to Science - ~~largely~~ <sup>partly</sup> because Morgan's note was so bad but more importantly because I suspect <sup>(Morgan)</sup> none of importance will pay any attention to it.

I am very pleased that you shall be with us next spring - it will be difficult to decide which Cambridge we are living in. I now plan to go to Vienna and the Gordon Conf. - nowhere else - You will naturally be welcome to stay with us. When you are here in June and early July.

I have a hypothesis on how viruses induce tumors - It

has two parts

in non dividing tissue (e.g. liver)

1) cells do not divide because they cannot make DNA

precursors to Kohnberg like enzymes - Theory due to  
+

• Potter

some evidence!

2) DNA viruses must break normal feedback preventing  
synthesis of DNA precursors

3) ~~for~~ This is done by having the viruses bring in  
the specific DNA to make the necessary enzymes.

4) If the virus is very cytopathogenic we have T2

5) If the virus is only mildly cytopathogenic we have

the pox viruses which cause local proliferation

6) If the virus is only slightly cytopathogenic we

have the Rous Sarcoma or Rabbit Papilloma

Using our favorite argument of simplicity - I suspect

this will be correct

regards to all  
Jim

PP/CR1/D/2/45